

# Sasan Partovi

## List of Publications by Citations

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98  
papers

1,122  
citations

17  
h-index

28  
g-index

119  
ext. papers

1,440  
ext. citations

2.6  
avg, IF

4.44  
L-index

#	Paper	IF	Citations
98	Radiomic features from the peritumoral brain parenchyma on treatment-naïve multi-parametric MR imaging predict long versus short-term survival in glioblastoma multiforme: Preliminary findings. <i>European Radiology</i> , <b>2017</b> , 27, 4188-4197	8	147
97	Radiogenomic analysis of hypoxia pathway is predictive of overall survival in Glioblastoma. <i>Scientific Reports</i> , <b>2018</b> , 8, 7	4.9	74
96	Dynamic contrast-enhanced magnetic resonance imaging: fundamentals and application to the evaluation of the peripheral perfusion. <i>Cardiovascular Diagnosis and Therapy</i> , <b>2014</b> , 4, 147-64	2.6	54
95	Clinical oncologic applications of PET/MRI: a new horizon. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2014</b> , 4, 202-12	2.2	53
94	Computational fluid dynamics in patients with continuous-flow left ventricular assist device support show hemodynamic alterations in the ascending aorta. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2014</b> , 147, 1326-1333.e1	1.5	52
93	Influence of LVAD cannula outflow tract location on hemodynamics in the ascending aorta: a patient-specific computational fluid dynamics approach. <i>ASAIO Journal</i> , <b>2012</b> , 58, 562-7	3.6	33
92	Comparison of hemodynamics in the ascending aorta between pulsatile and continuous flow left ventricular assist devices using computational fluid dynamics based on computed tomography images. <i>Artificial Organs</i> , <b>2014</b> , 38, 142-8	2.6	29
91	Can thrombus age guide thrombolytic therapy?. <i>Cardiovascular Diagnosis and Therapy</i> , <b>2017</b> , 7, S186-S196.	2.6	28
90	Effects of covert and overt paradigms in clinical language fMRI. <i>Academic Radiology</i> , <b>2012</b> , 19, 518-25	4.3	26
89	Hybrid PET/MR imaging in two sarcoma patients - clinical benefits and implications for future trials. <i>International Journal of Clinical and Experimental Medicine</i> , <b>2014</b> , 7, 640-8		25
88	Congenital anomalies of the IVC-embryological perspective and clinical relevance. <i>Cardiovascular Diagnosis and Therapy</i> , <b>2016</b> , 6, 482-492	2.6	25
87	Imaging of musculoskeletal manifestations in sickle cell disease patients. <i>British Journal of Radiology</i> , <b>2017</b> , 90, 20160130	3.4	23
86	ECG-triggered non-enhanced MR angiography of peripheral arteries in comparison to DSA in patients with peripheral artery occlusive disease. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , <b>2013</b> , 26, 271-80	2.8	19
85	The role of advanced reconstruction algorithms in cardiac CT. <i>Cardiovascular Diagnosis and Therapy</i> , <b>2017</b> , 7, 527-538	2.6	18
84	Contrast-enhanced ultrasound after endovascular aortic repair-current status and future perspectives. <i>Cardiovascular Diagnosis and Therapy</i> , <b>2015</b> , 5, 454-63	2.6	18
83	Diffusion-weighted imaging in musculoskeletal radiology-clinical applications and future directions. <i>Quantitative Imaging in Medicine and Surgery</i> , <b>2015</b> , 5, 740-53	3.6	18
82	Assessment of microcirculation by contrast-enhanced ultrasound: a new approach in vascular medicine. <i>Swiss Medical Weekly</i> , <b>2015</b> , 145, w14047	3.1	17

81	Minimally invasive treatments for venous compression syndromes. <i>Cardiovascular Diagnosis and Therapy</i> , <b>2016</b> , 6, 582-592	2.6	16
80	Computed tomography-guided percutaneous biopsy for vertebral neoplasms: a department's experience and hybrid biopsy technique to improve yield. <i>Neurosurgical Focus</i> , <b>2016</b> , 41, E17	4.2	15
79	Review of recent results using computational fluid dynamics simulations in patients receiving mechanical assist devices for end-stage heart failure. <i>Methodist DeBakey Cardiovascular Journal</i> , <b>2014</b> , 10, 185-9	2.1	15
78	Imaging of atherosclerosis. <i>International Journal of Cardiovascular Imaging</i> , <b>2016</b> , 32, 5-12	2.5	14
77	Assessing the end-organ in peripheral arterial occlusive disease-from contrast-enhanced ultrasound to blood-oxygen-level-dependent MR imaging. <i>Cardiovascular Diagnosis and Therapy</i> , <b>2014</b> , 4, 165-72	2.6	14
76	Fast MRI breast cancer screening - Ready for prime time. <i>Clinical Imaging</i> , <b>2020</b> , 60, 160-168	2.7	14
75	Evolving clinical applications of contrast-enhanced ultrasound (CEUS) in the abdominal aorta. <i>Cardiovascular Diagnosis and Therapy</i> , <b>2018</b> , 8, S118-S130	2.6	14
74	Inferior vena cava filter - comprehensive overview of current indications, techniques, complications and retrieval rates. <i>Vasa - European Journal of Vascular Medicine</i> , <b>2020</b> , 49, 449-462	1.9	13
73	Assessment of cutaneous microcirculation in unaffected skin regions by transcutaneous oxygen saturation monitoring and Laser Doppler flowmetry in systemic sclerosis. <i>Clinical Hemorheology and Microcirculation</i> , <b>2015</b> , 60, 263-71	2.5	12
72	Magnetic resonance/positron emission tomography (MR/PET) oncologic applications: bone and soft tissue sarcoma. <i>Seminars in Roentgenology</i> , <b>2014</b> , 49, 345-52	0.8	12
71	State-of-the-art aortic imaging: Part II - applications in transcatheter aortic valve replacement and endovascular aortic aneurysm repair. <i>Vasa - European Journal of Vascular Medicine</i> , <b>2014</b> , 43, 6-26	1.9	12
70	Automated 3D Volumetry of the Pulmonary Arteries based on Magnetic Resonance Angiography Has Potential for Predicting Pulmonary Hypertension. <i>PLoS ONE</i> , <b>2016</b> , 11, e0162516	3.7	12
69	Contrast-Enhanced Ultrasound Guidance for Interventional Procedures. <i>Journal of Ultrasound in Medicine</i> , <b>2019</b> , 38, 2541-2557	2.9	11
68	Contrast enhanced ultrasound guided biopsies of liver lesions not visualized on standard B-mode ultrasound-preliminary experience. <i>Journal of Gastrointestinal Oncology</i> , <b>2017</b> , 8, 1056-1064	2.8	11
67	Initial experience of MR/PET in a clinical cancer center. <i>Journal of Magnetic Resonance Imaging</i> , <b>2014</b> , 39, 768-80	5.6	11
66	Long term follow-up of endo-vascular recanalization of chronic inferior vena cava occlusion secondary to inferior vena cava filters. <i>Vasa - European Journal of Vascular Medicine</i> , <b>2017</b> , 46, 121-126	1.9	11
65	Image quality assessment of automatic three-segment MR attenuation correction vs. CT attenuation correction. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2013</b> , 3, 291-9	2.2	10
64	Contrast-enhanced ultrasound of the abdominal aorta - current status and future perspectives. <i>Vasa - European Journal of Vascular Medicine</i> , <b>2019</b> , 48, 115-125	1.9	10

63	Use of novel oral anticoagulant agents in venous thromboembolism. <i>Cardiovascular Diagnosis and Therapy</i> , <b>2016</b> , 6, 570-581	2.6	10
62	Combined automated 3D volumetry by pulmonary CT angiography and echocardiography for detection of pulmonary hypertension. <i>European Radiology</i> , <b>2019</b> , 29, 6059-6068	8	9
61	Advanced Noncontrast MR Imaging in Musculoskeletal Radiology. <i>Radiologic Clinics of North America</i> , <b>2015</b> , 53, 549-67	2.3	9
60	Multimodality imaging assessment of endoleaks post-endovascular aortic repair. <i>British Journal of Radiology</i> , <b>2018</b> , 91, 20180013	3.4	9
59	The Radiologist Will See You Now: Patients' Perceptions of an Outpatient Interventional Clinic. <i>Current Problems in Diagnostic Radiology</i> , <b>2016</b> , 45, 137-8	1.6	9
58	Use of novel oral anticoagulant agents in atrial fibrillation: current evidence and future perspective. <i>Cardiovascular Diagnosis and Therapy</i> , <b>2014</b> , 4, 314-23	2.6	9
57	State of the art: utility of multi-energy CT in the evaluation of pulmonary vasculature. <i>International Journal of Cardiovascular Imaging</i> , <b>2019</b> , 35, 1509-1524	2.5	8
56	Role of imaging in diagnosis and management of left ventricular assist device complications. <i>International Journal of Cardiovascular Imaging</i> , <b>2019</b> , 35, 1365-1377	2.5	8
55	Quantitative dynamic contrast-enhanced ultrasound for the functional evaluation of the skeletal muscle microcirculation in systemic sclerosis. <i>Clinical Hemorheology and Microcirculation</i> , <b>2016</b> , 62, 35-44	2.5	8
54	Society of Interventional Radiology Position Statement on the Role of Percutaneous Ablation in Renal Cell Carcinoma: Endorsed by the Canadian Association for Interventional Radiology and the Society of Interventional Oncology. <i>Journal of Vascular and Interventional Radiology</i> , <b>2020</b> , 31, 189-194.e3	2.4	8
53	CT-Guided Translumbar Placement of Permanent Catheters in the Inferior Vena Cava: Description of the Technique with Technical Success and Complications Data. <i>CardioVascular and Interventional Radiology</i> , <b>2018</b> , 41, 1356-1362	2.7	7
52	The impact of orthopedic metal artifact reduction software on interreader variability when delineating areas of interest in the head and neck. <i>Practical Radiation Oncology</i> , <b>2015</b> , 5, e309-15	2.8	7
51	Acute Pulmonary Embolism: Imaging Techniques, Findings, Endovascular Treatment and Differential Diagnoses. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , <b>2020</b> , 192, 38-49	2.3	7
50	Multimodality Imaging and Endovascular Treatment Options of Subclavian Steal Syndrome. <i>Canadian Association of Radiologists Journal</i> , <b>2018</b> , 69, 493-507	3.9	7
49	Real-time MRI-guided percutaneous sclerotherapy of low-flow head and neck lymphatic malformations in the pediatric population - a stepwise approach. <i>Pediatric Radiology</i> , <b>2017</b> , 47, 755-760	2.8	6
48	Diagnostic performance of an automated analysis software for the diagnosis of Alzheimer's dementia with F FDG PET. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2017</b> , 7, 12-23	2.2	6
47	Mass Effect Deformation Heterogeneity (MEDH) on Gadolinium-contrast T1-weighted MRI is associated with decreased survival in patients with right cerebral hemisphere Glioblastoma: A feasibility study. <i>Scientific Reports</i> , <b>2019</b> , 9, 1145	4.9	5
46	Cone-beam computed tomography improves the detection of injured vessels and involved vascular territories in patients with bleeding of uncertain origin. <i>British Journal of Radiology</i> , <b>2018</b> , 91, 20170562	3.4	5

45	Detection of adventitial vasa vasorum and intraplaque neovascularization in carotid atherosclerotic lesions with contrast-enhanced ultrasound and their role in atherosclerosis. <i>Methodist DeBaakey Cardiovascular Journal</i> , <b>2011</b> , 7, 37-40	2.1	5
44	Hemodynamic assessment of partial mechanical circulatory support: data derived from computed tomography angiographic images and computational fluid dynamics. <i>Cardiovascular Diagnosis and Therapy</i> , <b>2015</b> , 5, 160-5	2.6	5
43	Magnetic resonance imaging as a tool to assess reliability in simulating hemodynamics in cerebral aneurysms with a dedicated computational fluid dynamics prototype: preliminary results. <i>Cardiovascular Diagnosis and Therapy</i> , <b>2014</b> , 4, 207-12	2.6	5
42	State-of-the-art pulmonary arterial imaging - Part 1. <i>Vasa - European Journal of Vascular Medicine</i> , <b>2018</b> , 47, 345-359	1.9	5
41	Contrast imaging ultrasound for the detection and characterization of carotid vulnerable plaque. <i>Cardiovascular Diagnosis and Therapy</i> , <b>2020</b> , 10, 965-981	2.6	5
40	State-of-the-art pulmonary arterial imaging - Part 2. <i>Vasa - European Journal of Vascular Medicine</i> , <b>2018</b> , 47, 361-375	1.9	4
39	Implications and limitations of the PREPIC2 study-the interventionist's perspective. <i>Cardiovascular Diagnosis and Therapy</i> , <b>2016</b> , 6, 259-61	2.6	4
38	MR arthrography of the hip: diagnostic performance and image quality of 3D-steady state free precession versus 2D turbo spin echo sequences. <i>Skeletal Radiology</i> , <b>2018</b> , 47, 811-819	2.7	3
37	Real-time MRI-guided percutaneous sclerotherapy treatment of venous low-flow malformations in the head and neck. <i>Phlebology</i> , <b>2018</b> , 33, 344-352	2	3
36	Perivascular Perfusion on Contrast-Enhanced Ultrasound (CEUS) Is Associated with Inflammation in Patients with Acute Deep Vein Thrombosis. <i>Thrombosis and Haemostasis</i> , <b>2017</b> , 117, 2146-2155	7	3
35	Image guided percutaneous gastrostomy catheter placement: How we do it safely and efficiently. <i>World Journal of Gastroenterology</i> , <b>2020</b> , 26, 383-392	5.6	3
34	Lower extremity CT angiography in peripheral arterial disease: from the established approach to evolving technical developments. <i>International Journal of Cardiovascular Imaging</i> , <b>2021</b> , 37, 3101-3114	2.5	3
33	Transarterial Chemoembolization of Hepatocellular Carcinoma Using Radiopaque Drug-Eluting Embolics: How to Pursue Periprocedural Cross-Sectional Imaging?. <i>Journal of Vascular and Interventional Radiology</i> , <b>2019</b> , 30, 380-389.e4	2.4	3
32	Reliability and Accuracy of Peri-Interventional Stenosis Grading in Peripheral Artery Disease Using Color-Coded Quantitative Fluoroscopy: A Phantom Study Comparing a Clinical and Scientific Postprocessing Software. <i>BioMed Research International</i> , <b>2018</b> , 2018, 6180138	3	3
31	Intra-procedural bronchial artery embolization planning: the usefulness of cone-beam CT. <i>Acta Radiologica</i> , <b>2019</b> , 60, 1438-1444	2	2
30	Role of multi-parametric ultrasound in transient perivascular inflammation of the carotid artery syndrome. <i>Ultrasound</i> , <b>2019</b> , 27, 77-84	1.3	2
29	Beyond stenotic degree assessment in carotid atherosclerotic lesions: single catheter near-infrared spectroscopy and intravascular ultrasound. <i>International Journal of Cardiovascular Imaging</i> , <b>2016</b> , 32, 201-3	2.5	2
28	Time-Resolved Three-Dimensional Contrast-Enhanced Magnetic Resonance Angiography in Patients with Chronic Expanding and Stable Aortic Dissections. <i>Contrast Media and Molecular Imaging</i> , <b>2017</b> , 2017, 5428914	3.2	2

27	Effect of Vitamin K on Coagulopathy of Liver Disease: A Single Center Retrospective Review. <i>Blood</i> , <b>2016</b> , 128, 2583-2583	2.2	2
26	Fast in vivo quantification of T1 and T2 MRI relaxation times in the myocardium based on inversion recovery SSFP with in vitro validation post Gd-based contrast administration. <i>Cardiovascular Diagnosis and Therapy</i> , <b>2014</b> , 4, 88-96	2.6	2
25	Small bowel transplant: state-of-the-art vascular and nonvascular imaging. <i>Abdominal Radiology</i> , <b>2020</b> , 45, 601-614	3	2
24	Acute pulmonary embolism multimodality imaging prior to endovascular therapy. <i>International Journal of Cardiovascular Imaging</i> , <b>2021</b> , 37, 343-358	2.5	2
23	Competing Flow Between Partial Circulatory Support and Native Cardiac Output: A Clinical Computational Fluid Dynamics Study. <i>ASAIO Journal</i> , <b>2018</b> , 64, 636-642	3.6	1
22	Image quality of arterial phase and parenchymal blood volume (PBV) maps derived from C-arm computed tomography in the evaluation of transarterial chemoembolization. <i>Cancer Imaging</i> , <b>2018</b> , 18, 16	5.6	1
21	Less of a good thing - the paradox of reduced multidisciplinary team decision-making. <i>Vasa - European Journal of Vascular Medicine</i> , <b>2019</b> , 48, 203-204	1.9	1
20	Gastrointestinal Malignancies and Venous Thromboembolic Disease: Clinical Significance and Endovascular Interventions. <i>Digestive Disease Interventions</i> , <b>2020</b> , 4, 260-266	0.2	1
19	Varicosities of the lower extremity, new approaches: cosmetic or therapeutic needs?. <i>Swiss Medical Weekly</i> , <b>2016</b> , 146, w14360	3.1	1
18	Transarterial Chemoembolization of Hepatocellular Carcinoma Using Radiopaque Drug-Eluting Embolics: Impact of Embolic Density and Residual Tumor Perfusion on Tumor Recurrence and Survival. <i>CardioVascular and Interventional Radiology</i> , <b>2021</b> , 44, 1403-1413	2.7	1
17	Multimarker assessment for the prediction of renal function improvement after percutaneous revascularization for renal artery stenosis. <i>Cardiovascular Diagnosis and Therapy</i> , <b>2016</b> , 6, 221-33	2.6	1
16	Intravascular ultrasound in the diagnosis and treatment of central venous diseases. <i>Vasa - European Journal of Vascular Medicine</i> , <b>2021</b> , 50, 2-10	1.9	1
15	Imaging work-up and endovascular treatment options for aorto-enteric fistula. <i>Cardiovascular Diagnosis and Therapy</i> , <b>2018</b> , 8, S200-S207	2.6	1
14	Lessons learned from the PRESERVE trial. <i>British Journal of Radiology</i> , <b>2018</b> , 91, 20180092	3.4	1
13	Isolated traumatic pectoralis minor tendon tear in a young adult diagnosed with MRI. <i>Radiology Case Reports</i> , <b>2018</b> , 13, 1053-1057	1	1
12	Contrast-Enhanced Ultrasound for Guidance of Percutaneous Liver Interventions in Neoplastic Hepatic Disease. <i>Digestive Disease Interventions</i> , <b>2017</b> , 01, 201-207	0.2	0
11	Hepatic Encephalopathy After TIPS Placement: Predictive Factors, Prevention Strategies, and Management.. <i>CardioVascular and Interventional Radiology</i> , <b>2022</b> , 1	2.7	0
10	Advanced ultrasound techniques in arterial diseases.. <i>International Journal of Cardiovascular Imaging</i> , <b>2022</b> , 1	2.5	0

9	Endovascular Treatment of Pulmonary Arteriovenous Malformations: How We Do It. <i>The Arab Journal of Interventional Radiology</i> , <b>2018</b> , 2, 64-70	0.1
8	Diagnostic work-up and endovascular treatment of traumatic and non-traumatic vascular emergencies. <i>Vasa - European Journal of Vascular Medicine</i> , <b>2019</b> , 48, 5	1.9
7	Advanced venous imaging and image-guided venous interventions. <i>Cardiovascular Diagnosis and Therapy</i> , <b>2016</b> , 6, 470-472	2.6
6	MR Arthrography of the Hip: Diagnostic Performance and Image Quality of 3D Steady-State Free Precession versus 2D Turbo Spin-Echo Sequences. <i>Seminars in Musculoskeletal Radiology</i> , <b>2017</b> , 21, S1-S5 <sup>1.8</sup>	
5	Over-the-Wire Inferior Vena Cava Filter Placement: How We Do It. <i>Seminars in Interventional Radiology</i> , <b>2021</b> , 38, 243-250	1.6
4	Severe Outflow Obstruction After Liver Transplantation: Rescue Stapled Cavo-Cavostomy via the Right Atrial Approach and Hypothermic Circulatory Arrest. <i>Liver Transplantation</i> , <b>2021</b> , 27, 763-766	4.5
3	Endovascular Management of Nonvariceal Upper Gastrointestinal Bleeding. <i>Digestive Disease Interventions</i> , <b>2018</b> , 02, 388-394	0.2
2	Diagnostic accuracy of automated 3D volumetry of cardiac chambers by CT pulmonary angiography for identification of pulmonary hypertension due to left heart disease.. <i>European Radiology</i> , <b>2022</b> , 1	8
1	Intraluminal Carotid Artery Thrombus: The "Donut" Sign on Contrast-Enhanced Ultrasound.. <i>Vascular and Endovascular Surgery</i> , <b>2022</b> , 15385744221095821	1.4